

FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	SEE TITLE SHEET		

Intersection Operation

The existing phasing, cabinet, and controller are to be utilized.

Construction Details

- A. Use existing handhole and splice new loopwire to existing 2-conductor aluminum shielded cable.
- B. Use existing loop detector sleeve.
- C. Install 1 in. liquid tight, non-metallic conduit for loop detector sleeve.
- D. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (2-4-2 turns).
- E. Use existing span wire, traffic signal heads, and sign. Relocate as shown.
- F. Install 24 in. preformed white pavement marking for stop line.
- G. Install handhole.
- H. Install 6 ft. x 22 ft. quadrupole type vehicle loop detector (2-4-2 turns).
- J. Install 4 in. polyvinyl chloride (Schedule 40) electrical conduit-trenched.
- K. Install 4 in. polyvinyl chloride (Schedule 80) electircal conduit-slotted.
- L. Conduit for interconnect. Refer to interconnect plans.
- M. Existing cabinet/controller are to be utilized.
- N. Use existing span wire. Unbag existing signal heads and relocate as shown. Remove polycarbonate signal heads. Relocate existing sign as shown.
- O. Use existing span wire, traffic signal heads, and signs. Unbag existing sign.

Equipment List "B"

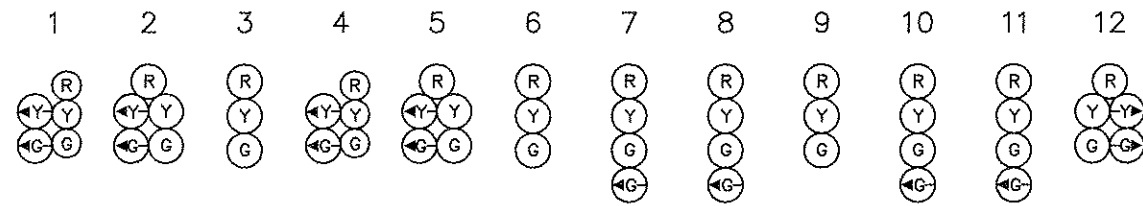
Equipment to be furnished and/or installed by the Contractor.

Quantity	Unit	Description
110	LF	24 in. preformed white pavement marking for stop line.
415	LF	Sawcut for signal loop detector.
1075	LF	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
10	LF	1 in. liquid tight, flexible, non-metallic conduit for loop detector sleeve.
6	EA	Relocate existing traffic signal head - span wire mount.
2	EA	Loop detector splice.
21	SF	Relocate existing sheet aluminum signing - overhead mount.
LS	LS	Removal of existing traffic signal equipment.

Equipment List "C"

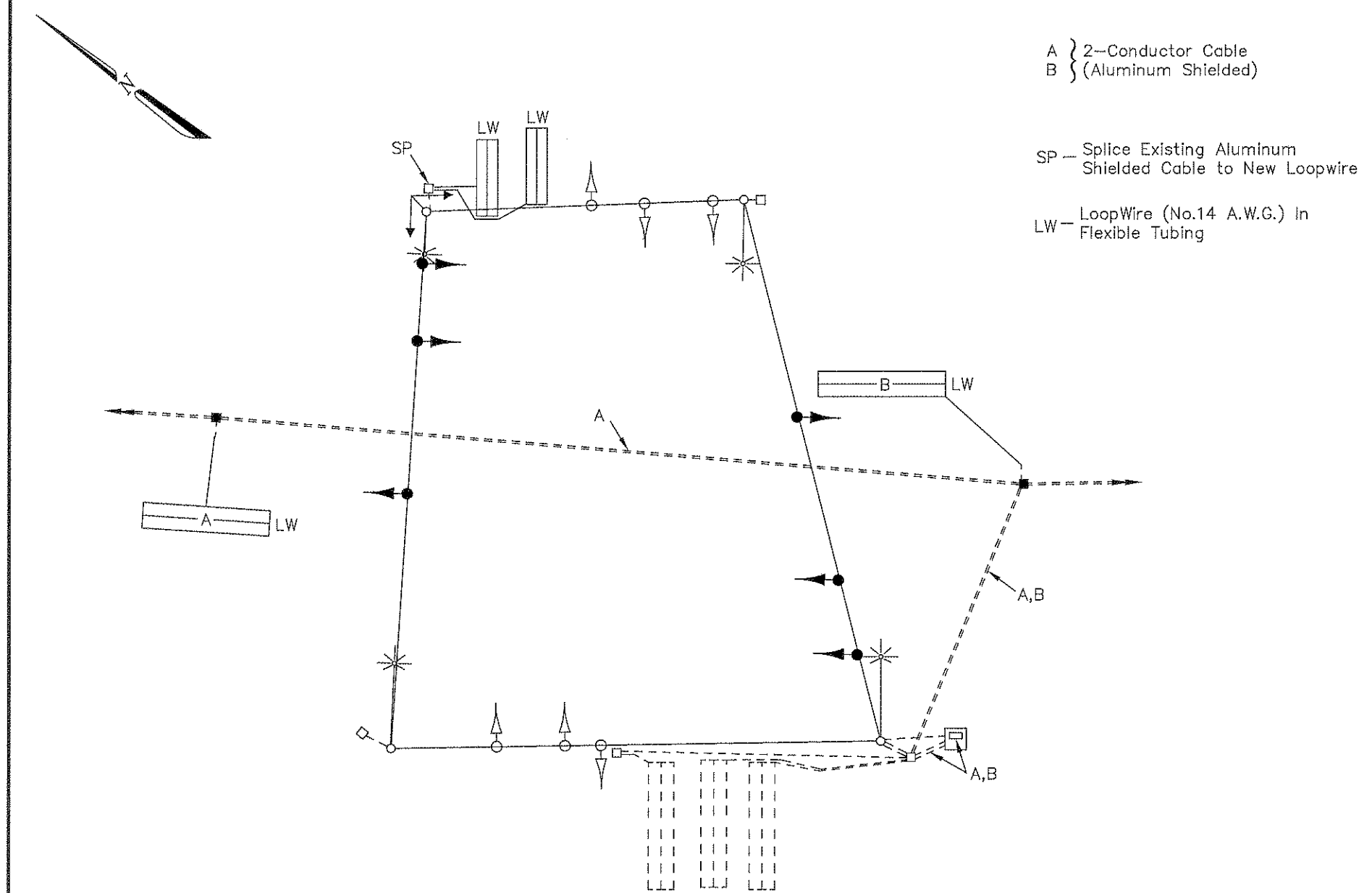
Equipment to be removed by the contractor and delivered to the MCDOT Systems Technical Center, 1283 Seven Locks Road, Building "C", Rockville, MD 20852. A twenty-four (24) hour notice is required prior to delivery. Contact Mr. Emil Wolanin at (301) 217-2208.

Quantity	Unit	Description
6	EA	Traffic signal head.



Phase 1 & 5	← R ←	← R ←	R	← R ←	← R ←	R	R	R	R	R	R	R	← R ←	↑
1 & 5 Change To Phase 1 & 6 or Phase 2 & 5	← G ←	← G ←	G	← G ←	← G ←	G	R	R	R	R	R	R	← R ←	←
Phase 1 & 6	← G ←	← G ←	G	R	R	R	R	R	R	R	R	R	← R ←	↑
1 Change	← Y ←	← Y ←	G	R	R	R	R	R	R	R	R	R	← Y ←	←
Phase 2 & 5	R	R	R	← G ←	← G ←	G	R	R	R	R	R	R	← R ←	↑
5 Change	R	R	R	← Y ←	← Y ←	G	R	R	R	R	R	R	← R ←	→
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	← R ←	←
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	← R ←	→
Phase 3	R	R	R	R	R	R	← G ←	← G ←	G	R	R	R	← R ←	↓
3 Change	R	R	R	R	R	R	Y	Y	Y	R	R	R	← R ←	↓
Phase 4	R	R	R	R	R	R	R	R	R	R	← G ←	← G ←	G	↑
4 Change	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	↑
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	± A ± B

Phase Chart



Wiring Diagram

Maintenance of Traffic
Phase 2, Stage 3

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<p>Revision 'A'</p> <p>A/E GROUP, INC. CONSULTING ENGINEERS • PLANNERS 11409 CRONHILL DRIVE OWINGS MILLS, MD. 21117 (410) 363-1908 A/E JOB NO: 94-264</p>	<table><tr><th>REVISIONS</th><th>APPROVALS</th></tr><tr><td></td><td>CHIEF, SIGNAL DESIGN SECTION</td></tr><tr><td></td><td>ASST. DISTRICT ENGINEER, TRAFFIC</td></tr><tr><td></td><td>CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION</td></tr><tr><td></td><td>DIRECTOR, OFFICE OF TRAFFIC & SAFETY</td></tr></table>	REVISIONS	APPROVALS		CHIEF, SIGNAL DESIGN SECTION		ASST. DISTRICT ENGINEER, TRAFFIC		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION		DIRECTOR, OFFICE OF TRAFFIC & SAFETY	<p>MDOT — STATE HIGHWAY ADMINISTRATION</p> <p>Office of Traffic & Safety</p> <p>TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>SIGNAL # 15035516.65</p>	
	REVISIONS	APPROVALS											
		CHIEF, SIGNAL DESIGN SECTION											
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	DIRECTOR, OFFICE OF TRAFFIC & SAFETY												
<p>DRAWN BY: C. Buitrago</p> <p>DES. BY: D. Renshaw</p> <p>CHK. BY: D. Doda</p>		<p>MD 355 at Professional Drive</p> <p>COUNTY: MONTGOMERY</p>											
<p>DATE: October 13, 1988</p> <p>SCALE: N/A</p>		<p>F.A.P. NO. N/A</p> <p>S.H.A. NO. BW-357-802-312</p>	<p>TS/STD. NO. 2517A-X5-GI</p> <p>SHEET NO. OF</p>										